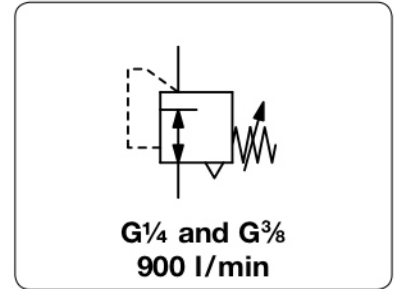


# R300 - Régulateur de pression de précision, compact et de faible masse, avec une forte capacité en débit, sensible.

|                           |  |                                  |
|---------------------------|--|----------------------------------|
| <b>Description</b>        | Diaphragm pressure regulator of small and lightweight design with high flow capacity. It provides sensitive adjustment accurate to 2 mbar. |                                  |
| <b>Media</b>              | compressed air or non-corrosive gases  |                                  |
| <b>Supply pressure</b>    | max. 18 bar  |                                  |
| <b>Accuracy</b>           | setting accuracy:  | < 2 mbar                         |
|                           | response sensitivity:  | < 2 mbar                         |
| <b>Air consumption</b>    | max. 3 l/min, subject to outlet pressure   |                                  |
| <b>Adjustment</b>         | by handwheel with locknut  |                                  |
| <b>Relieving function</b> | relieving  |                                  |
| <b>Relief capacity</b>    | 55 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint  |                                  |
| <b>Gauge port</b>         | G $\frac{3}{8}$ on both sides of the body, screw plugs supplied  |                                  |
| <b>Temperature range</b>  | 0 °C to 90 °C / 32 °F to 194 °F, for appropriately conditioned compressed air down to -40 °C / -40 °F                                      |                                  |
| <b>Material</b>           | Body:  | aluminium die-cast               |
|                           | Inner valve:   | stainless steel, brass and steel |
|                           | Elastomer:   | NBR/Buna-N, optionally FKM       |



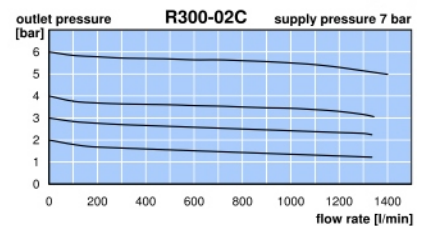
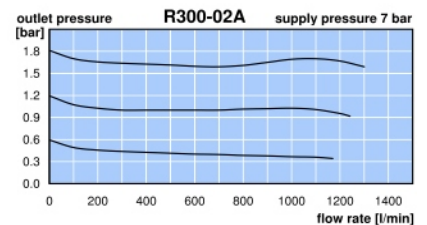
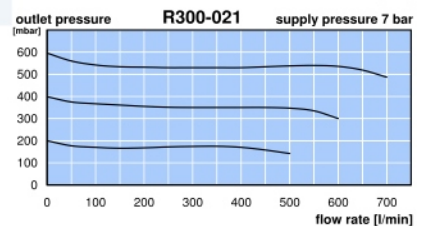
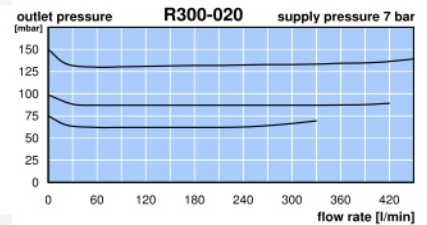
| Dimensions |   |   | K <sub>v</sub> -value<br>(m <sup>3</sup> /h) | Flow rate<br>m <sup>3</sup> /h*1 l/min*1 | Connection thread<br>G | Pressure range<br>bar | Order number |
|------------|---|---|--|--|------------------------|-----------------------|--------------|
| A          | B | C |  |  |                        |                       |              |

| Precision pressure regulator |     |    |     |    |     |                 | supply pressure max. 18 bar, relieving with constant bleed |      | R300     |  |
|------------------------------|-----|----|-----|----|-----|-----------------|--|------|----------|--|
| 57                           | 133 | 25 | 0.5 | 54 | 900 | G $\frac{1}{4}$ | 0.001 ...  | 0.14 | R300-020 |  |
|                              |     |    |     |    |     |                 | 0.01 ...   | 0.7  | R300-021 |  |
|                              |     |    |     |    |     |                 | 0.03 ...   | 2.0  | R300-02A |  |
|                              |     |    |     |    |     |                 | 0.07 ...   | 4.0  | R300-02B |  |
|                              |     |    |     |    |     |                 | 0.14 ...   | 7.0  | R300-02C |  |
| 57                           | 133 | 25 | 0.5 | 54 | 900 | G $\frac{3}{8}$ | 0.001 ...  | 0.14 | R300-030 |  |
|                              |     |    |     |    |     |                 | 0.01 ...   | 0.7  | R300-031 |  |
|                              |     |    |     |    |     |                 | 0.03 ...   | 2.0  | R300-03A |  |
|                              |     |    |     |    |     |                 | 0.07 ...   | 4.0  | R300-03B |  |
|                              |     |    |     |    |     |                 | 0.14 ...   | 7.0  | R300-03C |  |



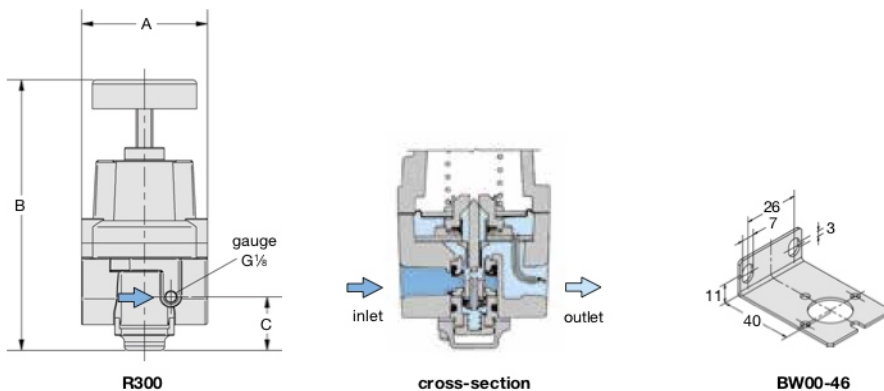
## Special options, add the appropriate letter

|                               |   |                |
|-------------------------------|---|----------------|
| <b>without constant bleed</b> | non-relieving, for small flow rate                        | R300-0 . . K   |
| <b>NPT</b>                    | connection thread   | R300-0 . . N   |
| <b>tamper-proof cap</b>       | aluminium, adjustment by screwdriver, total height 141 mm | R300-0 . . T   |
| <b>FKM elastomer</b>          |   | R300-0 . . V   |
| <b>for oxygen</b>             | specially cleaned, with oxygen grease                     | R300-0 . . K15 |



## Accessories, enclosed

|                               |   |                     |
|-------------------------------|---|---------------------|
| <b>pressure gauge</b>         | Ø 63 mm, 0 ... 160 mbar, G $\frac{1}{4}$ -connection parts required | <b>MA6302-C2</b>    |
| <b>pressure gauge</b>         | Ø 50 mm, 0 ...*2 bar, G $\frac{1}{8}$                               | <b>MA5001-...*2</b> |
| <b>gauge connection parts</b> | for MA6302-C2   | <b>AM-04</b>        |
| <b>mounting bracket</b>       | made of steel   | <b>BW00-46</b>      |



\*1 at 7 bar supply pressure and 1.4 bar outlet pressure

\*2 01 = 0...1 bar, 02 = 0...2.5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar, C2 = 160 mbar

